

Title (en)

NON-PNEUMATIC WHEEL AND METHOD OF MOUNTING NON-PNEUMATIC TIRE

Title (de)

LUFTLOSER REIFEN UND VERFAHREN ZUR MONTAGE EINES LUFTLOSEN REIFENS

Title (fr)

ROUE NON PNEUMATIQUE ET PROCÉDÉ DE MONTAGE D'UN PNEU NON PNEUMATIQUE

Publication

**EP 3558695 A1 20191030 (EN)**

Application

**EP 16828984 A 20161222**

Priority

IB 2016057950 W 20161222

Abstract (en)

[origin: WO2018115940A1] A non-pneumatic wheel (100) including a hub (300) and a non- pneumatic tire (102), as well as a method for mounting the non- pneumatic tire (102) onto the hub (300). The hub (300) is formed, with grooves (318) that receive the radially-inner ends (110) of spokes (106) of the non-pneumatic tire (102). To secure the tire (102) onto the hub (300) during assembly, the grooves (318) with the radially inner ends (110) of the spokes (106) received therein are pulled radially inward to decrease the diameter of the hub (300) and increase tension in the spokes (106).

IPC 8 full level

**B60B 1/04** (2006.01); **B60C 7/24** (2006.01)

CPC (source: EP US)

**B60B 9/26** (2013.01 - US); **B60B 21/00** (2013.01 - US); **B60C 7/146** (2021.08 - EP); **B60C 7/18** (2013.01 - EP US); **B60C 7/24** (2013.01 - EP US); **B60C 7/146** (2021.08 - US)

Citation (search report)

See references of WO 2018115940A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2018115940 A1 20180628**; CN 110198847 A 20190903; CN 110198847 B 20220830; EP 3558695 A1 20191030; EP 3558695 B1 20210203; US 11312179 B2 20220426; US 2021129588 A1 20210506

DOCDB simple family (application)

**IB 2016057950 W 20161222**; CN 201680092043 A 20161222; EP 16828984 A 20161222; US 201616472759 A 20161222